

## Role Play Worksheet: "We Are Particles!"

Names: \_\_\_\_\_

Date: \_\_\_\_\_

### Instructions for the Role Play:

Roles: You and your group will act as particles in one of the states of matter: solid, liquid, gas. Your task is to show how particles behave in your assigned state by using your body movements.

4 students – particles
1 student – heat coordinator
1 student – director

### Part 1: Before the Role Play

1. Which state of matter is your group representing?  
\_\_\_\_\_
2. Describe how the particles in your state of matter behave. Are they close together? Do they move a lot?  
\_\_\_\_\_
3. What will happen to the particles when heat is added to your state of matter?  
\_\_\_\_\_
4. How will your group show these particle movements during the role play?

### Part 2: During the Role Play

As you watch the other groups perform, answer the following questions:

1. How did the group representing a solid show that their particles don't move much?  
\_\_\_\_\_
2. How did the group representing a liquid show that particles can slide past each other?  
\_\_\_\_\_
3. How did the group representing a gas demonstrate fast, random particle movement?  
\_\_\_\_\_